6-8 & AGA MATH SUPPORT AT HOME 2023-24





The Big Ideas Math program comes with built-in parent support. We offer families access to lesson pages and online interactive supports.

Click on grade level below to jump to page.

6th Grade	03
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Algebra 1, Geometry, Algebra 2	18
Algebra 1 Family Letters	23
Geometry Family Letters	24
Algebra 2 Family Letters	25



5 FAMILY LETTERS

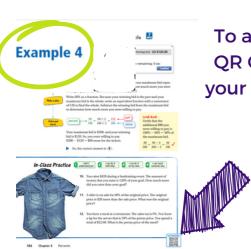




QR CODES FOR HOMEWORK & PRACTICE

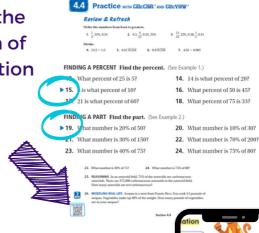
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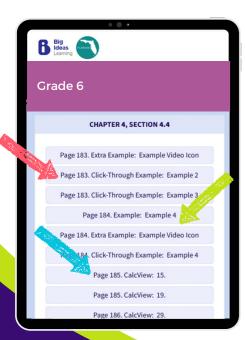
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TOPIC: FACTORS AND MULTIPLES TOPIC: THE COORDINATE PLANE

<u>Least Common Multiple</u>
<u>The Coordinate Plane: First Quadrant</u>

<u>Activity</u> <u>Answers</u> <u>Activity</u> <u>Answers</u>

<u>Greatest Common Factor</u> <u>The Coordinate Plane</u>

<u>Activity</u> <u>Answers</u> <u>Activity</u> <u>Answers</u>

Prime Factorization Finding Distance in a Coordinate Plane

<u>Activity</u> <u>Answers</u> <u>Activity</u> <u>Answers</u>

TOPIC: NUMBER PROPERTIES TOPIC: DECIMALS

Exponents and Powers Fractions and Decimals

Activity Answers Activity Answers

Cube of a Number

Activity

Activity Answers TOPIC: PERCENTS

<u>Percents</u>

Answers

TOPIC: INTEGERS <u>Activity</u> <u>Answers</u>

<u>Comparing, Ordering, & Graphing Integers</u> <u>Percents and Fractions</u>

<u>Absolute Value</u> <u>Percents and Decimals</u>

<u>Activity</u> <u>Answers</u> <u>Activity</u> <u>Answers</u>

<u>Adding and Subtracting Integers</u> <u>Comparing Percents</u>

<u>Activity</u> <u>Answers</u> <u>Activity</u> <u>Answers</u>

Multiplying and Dividing Integers The Percent Proportion

Activity Answers Activity Answers

<u>The Percent Equation</u>

<u>Activity</u> <u>Answers</u>

Answers



Activity





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TOPIC: RATIOS, RATE, AND PROPORTIONS

Ratios

<u>Activity</u> <u>Answers</u>

Rates

<u>Activity</u> <u>Answers</u>

Ratio Tables

<u>Activity</u> <u>Answers</u>

TOPIC: EXPRESSIONS, EQUATIONS, & INEQUALITIES

Writing Numerical Expressions

Activity Answers

Evaluating Algebraic Expressions

<u>Activity</u> <u>Answers</u>

Writing Algebraic Expressions & Equations

<u>Activity</u> <u>Answers</u>

Simplifying Algebraic Expressions

<u>Activity</u> <u>Answers</u>

Writing and Graphing Inequalities

<u>Activity</u> <u>Answers</u>

TOPIC: DATA ANALYSIS

Box-and-Whisker Plots

<u>Activity</u> <u>Answers</u>

<u>Histograms</u>

Activity Answers

Identifying Outliers

Activity Answers

TOPIC: THREE-DIMENSIONAL SHAPES &

SURFACE AREA

Surface Area of Prisms

Activity Answers **Surface Area of Pyramids**

Activity Answers

TOPIC: FRACTIONS, DECIMALS &

PERCENTS

Multiplying and Dividing Fractions

<u>Activity</u> <u>Answers</u>

Writing Fractions, Decimals, and Percents

Activity Answers

TOPIC: REAL NUMBERS

Operations with Integers

<u>Activity</u> <u>Answers</u>

TOPIC: STATISTICAL MEASURES

Measures of Center

<u>Activity</u> <u>Answers</u>

TOPIC: DATA DISPLAYS

Dot Plots

<u>Activity</u> <u>Answers</u>



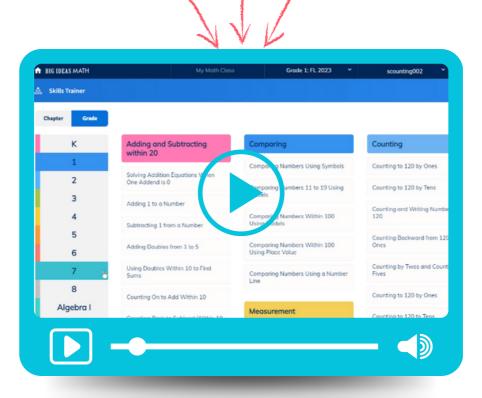


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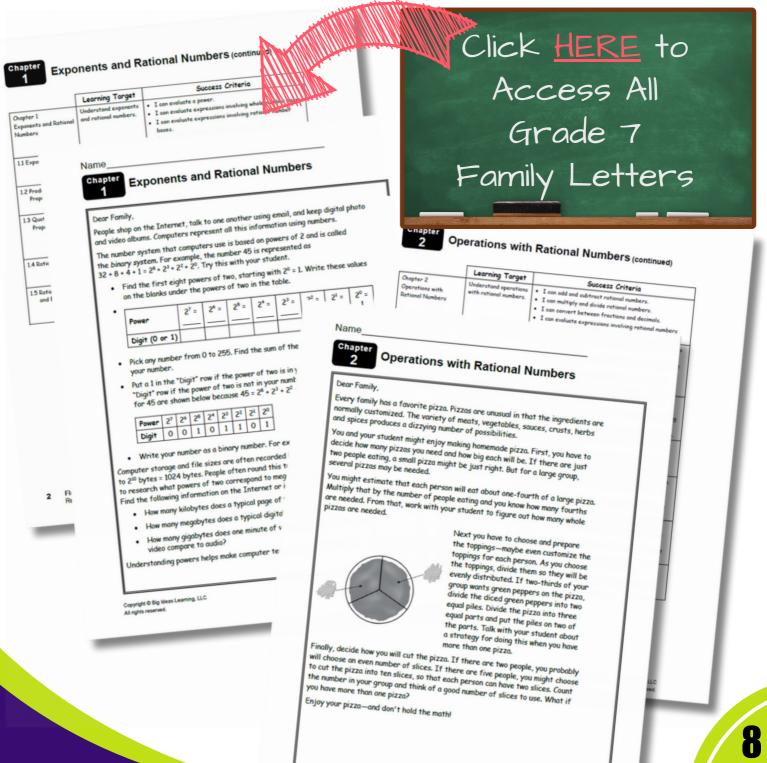
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5 FAMILY LETTERS

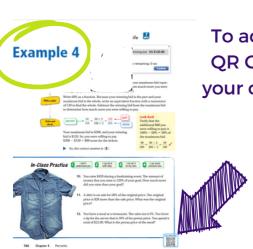




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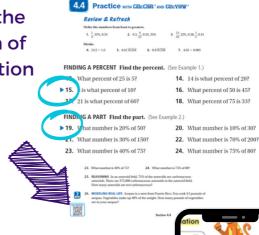
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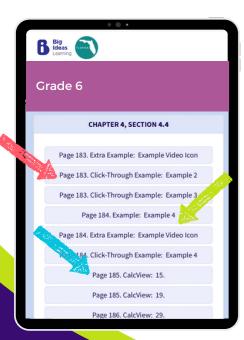
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SKILLS REVIEW HANDBOOK

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Click ACTIVITY or ANSWERS below to access skills.



TOPIC: NUMBER PROPERTIES

Order of Operations with Exponents

Activity **Answers**

TOPIC: PROPERTY OF EXPONENTS

Product of Powers Property Activity **Answers**

Quotient of Powers Property Activity **Answers**

Zero and Negative Exponents

Activity **Answers**

TOPIC: PERCENTS

Estimating and Finding a Discount

Activity **Answers**

Estimating and Finding a Sales Tax

Activity **Answers**

Estimating and Finding a Tip

Activity Answers

Simple Interest

Activity Answers

TOPIC: RATIOS, RATES, AND

PROPORTIONS

Proportions

Activity **Answers** **TOPIC: EXPRESSIONS, EQUATIONS, AND INEQUALITIES**

Writing Algebraic Expressions and Equations

Activity **Answers**

TOPIC: ALGEBRAIC PROPERTIES

Properties of Equality

Activity **Answers**

TOPIC: FUNCTIONS AND GRAPHS

Graphs of Proportional Relationships

Activity Answers

TOPIC: PERIMETER AND AREA

Circles and Circumference

Activity Answers

Areas of Circles

Activity **Answers**

TOPIC: THREE-DIMENSIONAL SHAPES

AND SURFACE AREA

Surface Area of Cylinders







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TOPIC: VOLUMES OF SOLIDS

Volumes of Cylinders

Activity Answers

TOPIC: COUNTING OUTCOMES

Sample Space

Activity Answers

TOPIC: FRACTIONS. DECIMALS. & PERCENTS

Equivalent Fractions & Simplifying Fractions

Activity Answers

Mixed Numbers and Improper Fractions

Activity **Answers**

Calculating with Percents

Activity Answers

TOPIC: REAL NUMBERS

Operations with Rational Numbers

Activity **Answers** **TOPIC: PROPORTIONALITY**

Direct Variation

Activity Answers

Solving Proportions

Activity **Answers**

TOPIC: DATA DISPLAYS

Circle Graphs

Activity **Answers**

Stem-and-Leaf Plots

Activity Answers

TOPIC: ALGEBRAIC EXPRESSIONS

AND EXPONENTS

Simplifying Algebraic Expressions

Activity **Answers**

Powers and Exponents

Activity **Answers**

Distributive Property

Activity **Answers**

Order of Operations



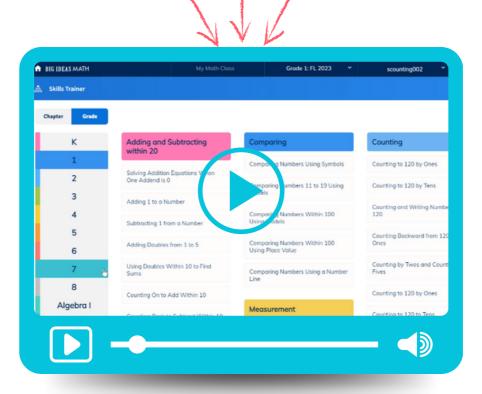


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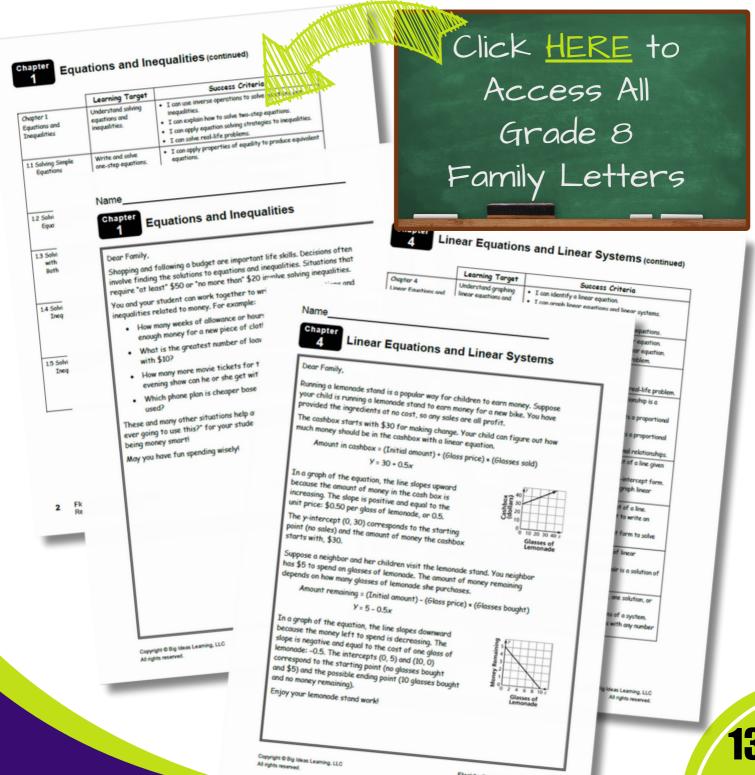






5 FAMILY LETTERS

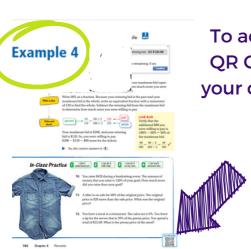




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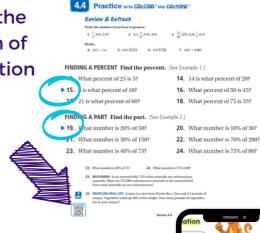
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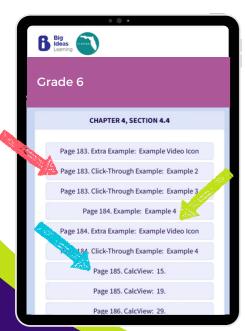
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TOPIC: NUMBER PROPERTIES

Order of Operations with Exponents

Activity **Answers**

TOPIC: PROPERTY OF EXPONENTS

Zero & Negative Exponents

Activity **Answers**

Scientific Notation

Activity **Answers**

TOPIC: ALGEBRAIC PROPERTIES

Properties of Equality

Activity Answers

Properties of Inequality

Activity Answers

Properties of Exponents

Activity Answers

TOPIC: COUNTING OUTCOMES

Tree Diagrams

Activity Answers

Fundamental Counting Principle

Activity Answers

TOPIC: FUNCTIONS AND GRAPHS

Describing Linear Patterns

Activity **Answers**

Function Rules

Activity **Answers**

Graphs of Equations

Activity **Answers**

Independent and Dependent Variables

Activity **Answers**

Slope

Activity **Answers**

TOPIC: SQUARE ROOTS AND CUBE ROOTS

Square Roots

Activity **Answers**

Properties of Square Roots

Activity Answers

Approximating Square Roots

Activity Answers

<u>Adding & Subtracting Square Root Expressions</u>

Activity **Answers**

The Pythagorean Theorem





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TOPIC: REAL NUMBERS

Comparing and Ordering Real Numbers

Activity **Answers**

TOPIC: FUNCTIONS

Functions

Activity **Answers Graphing Linear Functions** Activity **Answers**

TOPIC: ALGEBRAIC EXPRESSIONS AND EXPONENTS

Simplifying Algebraic Expressions

Activity **Answers**

TOPIC: PROPORTIONALITY

Ratios and Proportions

Activity **Answers**

TOPIC: DATA DISPLAYS

Scatter Plots

Activity **Answers**

TOPIC: ANGLES AND LINES

Using Angle Relationships

Activity **Answers Finding Angles of Triangles Activity Answers**

Angles of Polygons

Activity Answers

THE COORDINATE PLANE & LINEAR **EQUATIONS**

Slope of a Line

Activity **Answers Slope-Intercept Form** Activity **Answers Writing Linear Equations** Activity **Answers Graphing Linear Equations**

Activity **Answers**

TOPIC: TRANSFORMATIONS

Transformations

Activity **Answers**

Translations

Activity **Answers**

Reflections

Activity **Answers**

Rotations

Activity **Answers**

Dilations

Activity **Answers**

TOPIC: SOLVING EQUATIONS & INEQUALITIES

Solving Linear Equations

Activity **Answers Solving Linear Inequalities**



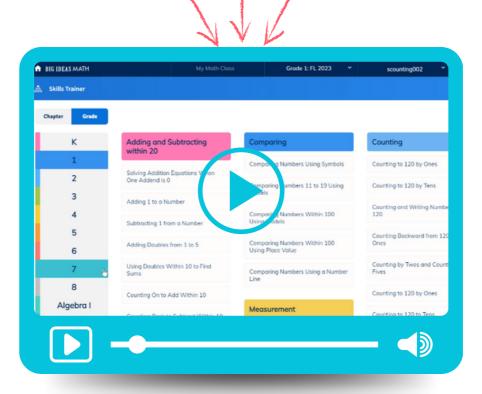


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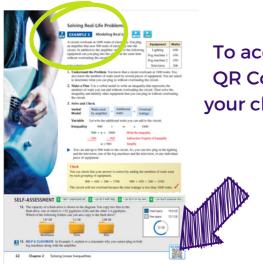




AGA QR CODES FORHOMEWORK & PRACTICE

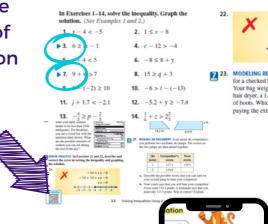
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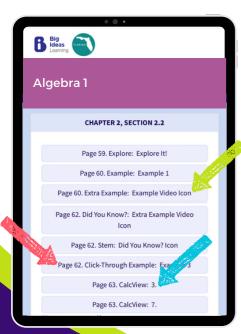
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2.2 Practice with CalcChat* AND CalcVIEW*

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SKILLS REVIEW HANDBOOK

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NOTE: Algebra 1, Geometry, and Algebra 2 are combined below



Click ACTIVITY or ANSWERS below to access skills.



TOPIC: SQUARE ROOTS AND CUBE ROOTS

Simplying Square Roots

Activity **Answers**

Cube Roots

Activity **Answers**

TOPIC: REAL NUMBERS

Operations with Complex Numbers

Activity **Answers**

Operations with Radicals

Activity **Answers**

TOPIC: ALGEBRAIC EXPRESSIONS AND

EXPONENTS

Properties of Exponents

Activity **Answers**

Properties of Exponents Including Rational

Exponents

Activity **Answers**

TOPIC: PROPORTIONALITY

Solving Proportions

Activity **Answers** **TOPIC: POLYNOMIALS**

Adding and Subtracting Polynomials

Activity **Answers**

Multiplying Polynomials

Activity **Answers**

Factoring Polynomials

Activity **Answers**

Dividing a Polynomial by a Monomial

Activity **Answers**

TOPIC: SOLVING EQUATIONS AND

INEQUALITIES

Solving Absolute Value Equations

Activity **Answers**

Solving Quadratic Equations

Activity **Answers**

Solving Radical Equations

Activity **Answers**

Rewriting Equations With Two or More Variables

Activity **Answers**

Solving Compound Inequalities





SKILLS REVIEW HANDBOOK cont'd

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NOTE: Algebra 1, Geometry, and Algebra 2 skills are combined below



TOPIC: THE COORDINATE PLANE AND LINEAR EQUATIONS

Solving Systems of Equations

<u>Activity</u> <u>Answers</u>

Linear Inequalities in Two Variables

<u>Activity</u> <u>Answers</u>

Parallel and Perpendicular Lines

<u>Activity</u> <u>Answers</u>

Equations of Perpendicular Lines

<u>Activity</u> <u>Answers</u>

Equations of Parallel Lines

<u>Activity</u> <u>Answers</u>

Focus of a Parabola

Activity Answers

Systems of Two-Variable Linear Inequalities

Activity Answers

TOPIC: FUNCTIONS

Graphing Linear Functions

<u>Activity</u> <u>Answers</u>

Function Notation

Activity Answers

Zeros of Quadratic Functions

<u>Activity</u> <u>Answers</u>

Exponential Functions

<u>Activity</u> <u>Answers</u>

Graphing Quadratic Functions

Activity Answers

Graphing Absolute Value Functions

Activity Answers

TOPIC: VOLUMES OF SOLIDS

Volumes of Triangular Prisms

<u>Activity</u> <u>Answers</u>

Volumes of Pyramids

<u>Activity</u> <u>Answers</u>

Volumes of Cones

<u>Activity</u> <u>Answers</u>

Volumes of Spheres

<u>Activity</u> <u>Answers</u>







SKILLS REVIEW HANDBOOK cont'd - 2

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TOPIC: GEOMETRY

Perimeter and Area of Figures

<u>Activity</u> <u>Answers</u>

Surface Area

<u>Activity</u> <u>Answers</u>

Volume

<u>Activity</u> <u>Answers</u>

Inductive Reasoning

<u>Activity</u> <u>Answers</u>

Using Midpoints

Activity Answers

Naming and Bisecting Angles

<u>Activity</u> <u>Answers</u>

Parallel Lines and Transversals

Activity Answers

TOPIC: STATISTICAL MEASURES

Standard Deviation

<u>Activity</u> <u>Answers</u>

TOPIC: TRANSFORMATIONS, CONGRUENCE, AND SIMILARITY

Line Symmetry

<u>Activity</u> <u>Answers</u>

Congruent Figures

<u>Activity</u> <u>Answers</u>

Similar Figures

Activity Answers

Congruent Triangles

<u>Activity</u> <u>Answers</u>

TOPIC: DATA DISPLAYS

Venn Diagrams

<u>Activity</u> <u>Answers</u>

Histograms

Activity Answers

Box-and-Whisker Plots



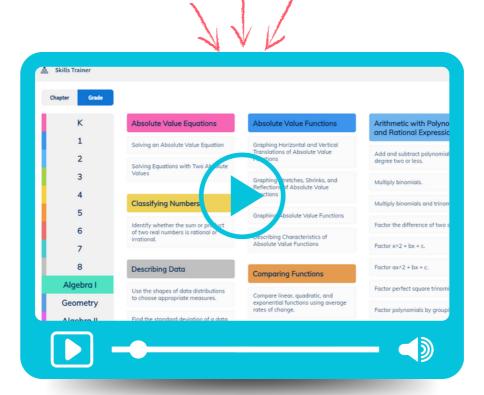


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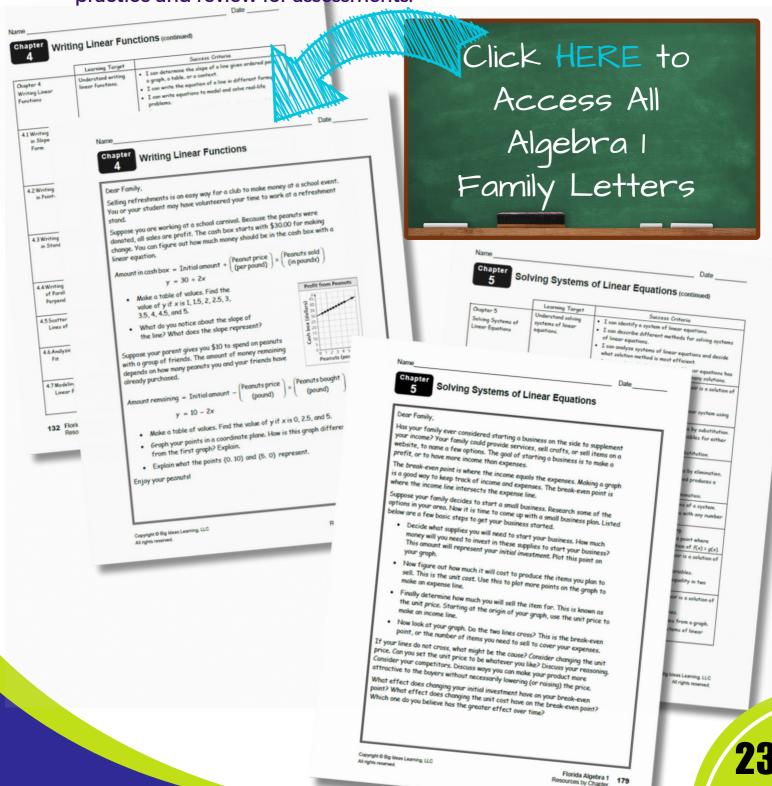
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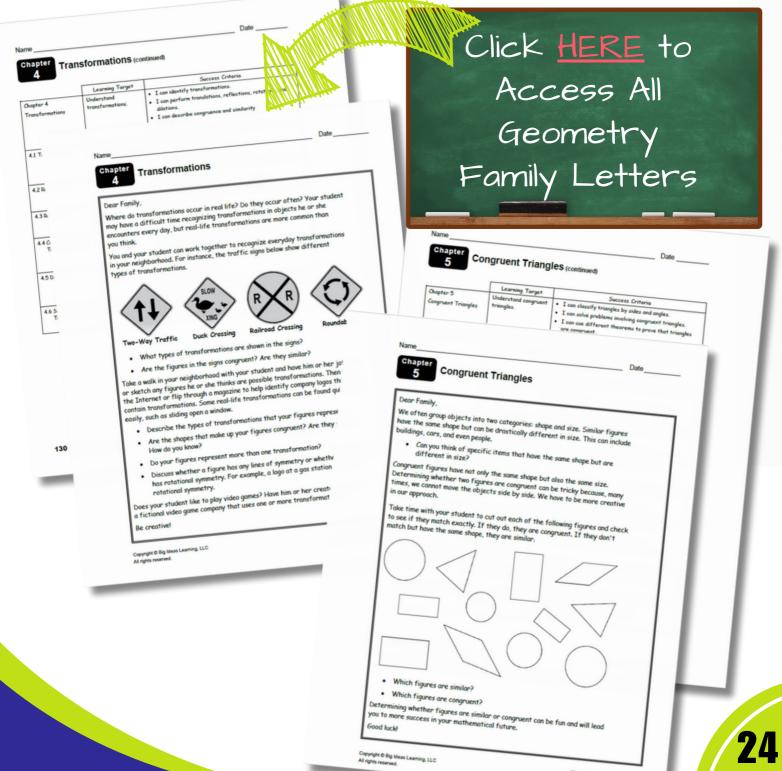


Algebra 1 FAMILY LETTERS





GeometryFAMILY **LETTERS**



Algebra 2 FAMILY LETTERS

